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PATENT  
TH1985

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 09/841,284

Confirmation No.: 4716

Filing Date: 4/24/2001

Inventors: Vinegar et al.

Title: IN SITU THERMAL  
PROCESSING OF A COAL  
FORMATION TO INCREASE  
PERMEABILITY/POROSITY  
OF THE FORMATION

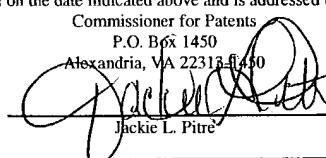
§ Examiner: G. A. Suchfield  
§ Art Unit: 3672  
§ Atty. Dkt. No.: 5659-06000

CERTIFICATE OF MAILING  
UNDER 37 C.F.R. § 1.8

DATE OF DEPOSIT: 9-29-03

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### INFORMATION DISCLOSURE STATEMENT

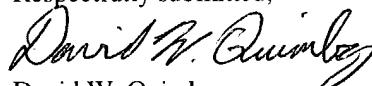
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Sir:

It is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 (T13-T54) be considered by the Examiner and made of record. Copies of the listed documents are enclosed for the convenience of the Examiner.

Should any fees be required, the Commissioner is authorized to charge said fees to Meyertons, Hood, Kivlin, Kowert & Goetz, P.C. Deposit Account No. 50-1505/5659-06000/EBM.

Respectfully submitted,



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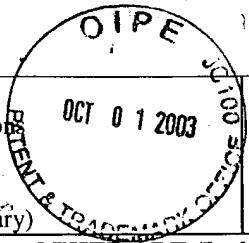
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Form PTO-1449 (modified)  
List of Patents and Publications  
For Applicant's Information  
Disclosure Statement  
(Use several sheets if necessary)



ATTY. DKT. 5659-06000

INVENTOR: Vinegar et al..

FILING DATE: 4/24/2001

SERIAL NO. 09/841,284

GROUP: 3672

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

	T13	SSAB report, "A Brief Description of the Ljungstrom Method for Shale Oil Production," 1950, (12 pages).
	T14	Salomonsson G., SSAB report, "The Lungstrom In Situ-Method for Shale Oil Recovery, 1950 (28 pages)
	T15	"Swedish shale oil-Production method in Sweden," Organisation for European Economic Co-operation, 1952, (70 pages).
	T16	SSAB report, "Kvarn Torp" 1958, (36 pages).
	T17	SSAB report, "Kvarn Torp" 1951 (35 pages).
	T18	SSAB report, "Summary study of the shale oil works at Narkes Kvarntorp" (15 pages)
	T19	Vogel et al. "An Analog Computer for Studying Heat Transfrer during a Thermal Recovery Process," AIME Petroleum Transactions, 1955 (pages 205-212).
	T20	"SKIFEROLJA GENOM UPPVARMNING AV SKIFFERBERGET," Faxin Department och Namder, 1941, (3 pages)
	T21	"Aggregleringens orsaker och ransoneringen grunder", Av director E.F.Cederlund I Statens livesmedelskommission (1page).
	T22	Ronnby, E. "KVARNTORP-Sveriges Storsta skifferoljeindustri," 1943, (9 pages)
	T23	SAAB report, "The Swedish Shale Oil Industry," 1948 (8 pages).
	T24	Gejrot et al., "The Shale Oil Industry in Sweden," Carlo Colombo Publishers-Rome, Proceedings of the Fourth World Petroleum Congress, 1955 (8 pages)
	T25	Hedback, T. J., The Swedish Shale as Raw Material for Production of Power, Oil and Gas," Xith Sectional Meeting World Power Conference, 1957 (9 pages)
	T26	SAAB, "Santa Cruz, California, Field Test of the Lins Method for the Recovery of Oil from Sand", 1955 Vol. 1, (141 pages) English
	T27	SAAB, "Santa Cruz, California, Field Test of the Lins Method for the Recovery of Oil from Sand-Figures", 1955 Vol. 2, (146 pages) English.
	T28	"Santa Cruz, California, Field Test of the Lins Method for the Recovery of Oil from Sand-Memorandum re: tests", 1955 Vol. 3, (256 pages) English.
	T29	Helander, R.E., "Santa Cruz, California, Field Test of Carbon Steel Burner Casings for the Lins Method of Oil Recovery", 1959 (38 pages) English.
	T30	Helander et al., Santa Cruz, California, Field Test of Fluidized Bed Burners for the Lins Method of Oil Recovery" 1959, (86 pages) English.
	T31	SSAB report, "Bradford Residual Oil, Athabasca Ft. McMurray" 1951, (207 pages), partial translation.
	T32	"Lins Burner Test Results-English" 1959-1960.
	T33	SSAB "Annual Reports, SSAB Laboratory, Address Annually Issues-Shale and Ash, Oil, Gas, Waste Water, Analytical", 1953-1954, (166 pages). Swedish
	T34	SSAB report, "Financial Matter, Swedish taxes, etc.," 1960-1961 (37 pages). Swedish
	T35	SSAB report, "Cost For Mining," 1959-1979 (13 pages). Swedish
	T36	SSAB report, "Cost Comparison of Mining and Processing of Shale and Dolomite Using Various Production Alternatives", 1960, (64 pages). Swedish
	T37	SSAB report, "Assessment of Future Mining Alternatives of Shale and Dolomite," 1962, (59 pages) Swedish.
	T38	SSAB report. "Kartong 2 Shale: Ljungstromsanlagningen" (104 pages) Swedish.

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	T39	SAAB, "Photos" (18 pages)
	T40	SAAB report, "Swedish Geological Survey Report, Plan to Delineate Oil shale Resource in Narkes Area (near Kvarntorp)," 1941 (13 pages). Swedish.
	T41	SAAB report, "Recovery Efficiency," 1941, (61 pages). Swedish.
	T42	SAAB report, "Geologic Work Conducted to Assess Possibility of Expanding Shale Mining Area in Kvarntorp; Drilling Results, Seismic Results," 1942 (79 pages). Swedish.
	T43	SSAB report, "Ojematinigar vid Norrtorp," 1945 (141 pages).
	T44	SSAB report, "Inhopplingschema, Norrtorp II 20/3-17/8", 1945 (50 pages). Swedish.
	T45	SSAB report, "Maps and Diagrams, Geology," 1947 (137 pages). Swedish.
	T46	SSAB report, "Styreheprotoholl," 1943 (10 pages). Swedish.
	T47	SSAB report, "Early Shale Retorting Trials" 1951-1952, (134 pages). Swedish.
	T48	SSAB report, "Analysis of Lujunstrom Oil and its Use as Liquid Fuel," Thesis by E. Pers, 1949 (83 pages). Swedish.
	T49	SSAB report, "Secondary Recovery after LINS," 1945 (78 pages)
	T50	SSAB report, "Environmental Sulphur and Effect on Vegetation," 1951 (50 pages). Swedish.
	T51	SSAB report, "Tar Sands", Vol.135 1953 (20 pages, pages 12-15 translated). Swedish.
	T52	SSAB report, "Assessment of Skanes Area (Southern Sweden) Shales as Fuel Source," 1954 (54 pages). Swedish.
	T53	SSAB report, "From as Utre Dn Text Geology Reserves," 1960 (93 pages). Swedish.
	T54	SSAB report, "Kvarntorps-Environmental Area Asessment," 1981 (50 pages). Swedish.

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